

Data Enhancement Effort

Update & Briefing

5/22/03

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Background

- Objective is to “raise the bar”
- 3 years of workgroup efforts
- Extensive internal/external training
- Letter to all LSPs on February 24, 2003:
 - Policies/CAM effective August 2003



Policies/Work Products

Method	Status
SW-846 Method 8270C	Final May 2003
SW-846 Method 8260B	Final May 2003
SW-846 Method 6010B	Final May 2003
SW-846 Method 7470/7471	Final May 2003
SW-846 7000 Series Methods	Final May 2003
SW-846 Method 8082	Final May 2003
SW-846 Method 8081A	Final May 2003

www.mass.gov/dep/bwsc/files/data/QAQCDocs.htm



Final Piece: "Field QA/QC" Guidance

WSC CAM VII-A

"Presumptive Certainty" Concept

Posted on web May 22 +/-

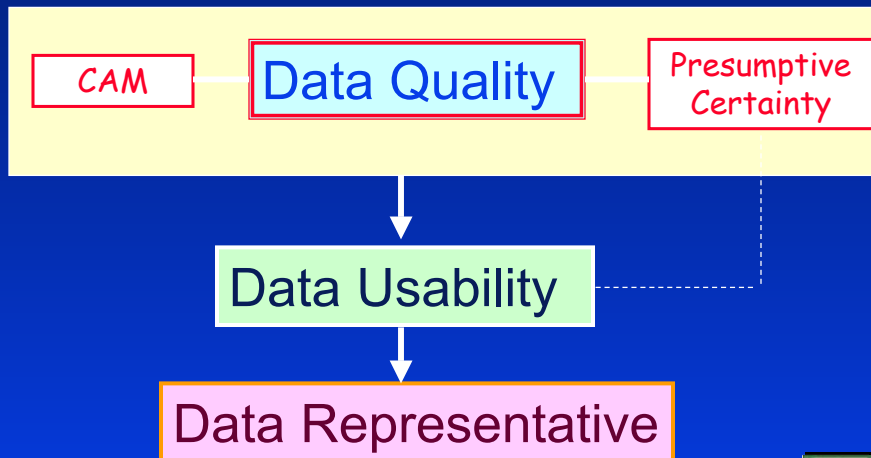


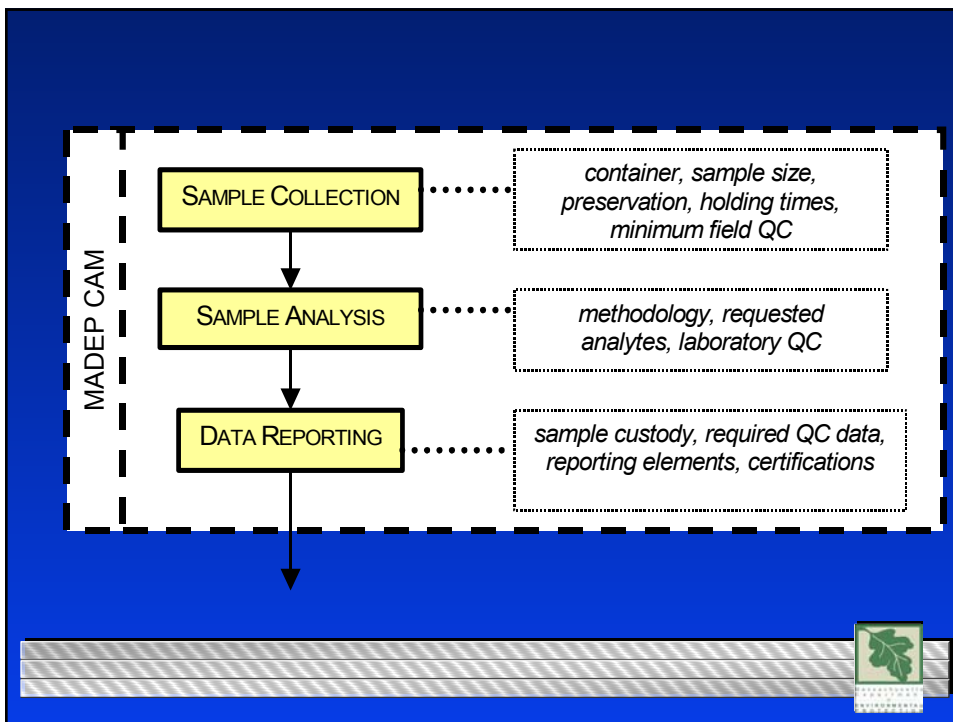
Presumptive Certainty

- Optional
- One way of showing compliance with MCP requirements on Data Quality
- Assurance of DEP acceptance of Data Quality



Data Enhancement Model





A	Were all samples received by the laboratory in a condition consistent with that described on the Chain-of-Custody documentation for the data set?	<input type="checkbox"/> Yes <input type="checkbox"/> No ¹
B	Were all QA/QC procedures required for the specified analytical method(s) included in this report followed, including the requirement to note and discuss in a narrative QC data that did not meet appropriate performance standards or guidelines?	<input type="checkbox"/> Yes <input type="checkbox"/> No ¹
C	Does the analytical data included in this report meet all the requirements for "Presumptive Certainty", as described in Section 2.0 of the MADEP document CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	<input type="checkbox"/> Yes <input type="checkbox"/> No ¹

At the bottom right of the slide is a small logo featuring a green leaf.

VOCs Req'mts for Presumptive Certainty

QC Element	Media		
	Soil/Sed	Aqueous	Drink H ₂ O
MS	No	No	No
Field Dupe	No	No	If >RL
Trip Blank	No	No	1/cooler



Last Minute Changes

Do NOT need to test for all analytes to achieve Presumptive Certainty

But... May be a data "representativeness" issue down the road

Do NOT need to meet all QC standards (e.g., surrogate stand) to achieve Presumptive Certainty

But... May be a data usability issue down the road



Next Steps

- Data Usability Guidance
- Data Representative Guidance
- MCP Wave 2 language requiring evaluation of data quality, usability, and representativeness issues

